

Nilpotency of n-tuple Lie algebras and associative n-tuple algebras

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Abstract

We obtain conditions for the nilpotency of finite-dimensional n-tuple Lie algebras and finite-dimensional associative n-tuple algebras. The established conditions are analogous to theorems of Engel and Wedderburn for Lie algebras and associative algebras. © 2010 Allerton Press, Inc.

<http://dx.doi.org/10.3103/S1066369X10020040>

Keywords

Associative n-tuple algebra, N-tuple Lie algebra, Nilpotency